

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Brian Smith

GENERAL INFORMATION:

Name:	Custom Resins, Inc.
Address:	P.O. Box 46, Henderson, KY 42420
Date application received:	12/01/98
SIC/Source description:	2821
EIS #:	021-101-00104
Application log number:	50668
Permit number:	V-03-045

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☒ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	5.0	389
SO ₂	0.14	0.14
NO _x	23.6	23.6
CO	19.8	19.8
VOC	78.5	114
LEAD	0	0
HAP ? 10 tpy (by CAS)		
Methanol	36.0	36.0

SOURCE PROCESS DESCRIPTION:

Custom Resins manufactures nylon 6 polymer by polymerizing e-caprolactam monomer, extracting the unreacted monomer from the polymer, then drying the polymer to a water content less than 0.1%. The source is a Title V major source due to emissions of VOCs, PM10, and HAPs. The source is exempt from PSD because it was originally constructed prior to the applicability date; all projects constructed after that date were not considered major modifications under PSD.